



Author Index to Volume 388

- Abe, M., T. Yanai, T. Nakajima and K. Hirao, A four-index transformation in Dirac's four-component relativistic theory 388 (2004) 68
- Abusara, Z., T.S. Sorensen and N. Moazzen-Ahmadi, Infrared laser spectroscopy of CCO: the v_3 band of the $\tilde{\alpha}^1\Delta$ electronic state and $3v_3-2v_3$ band of the ground electronic state 388 (2004) 62
- Aguilar, A., see de Andrés, J. 388 (2004) 230
- Alonso, M., see Rodriguez-Cabello, J.C. 388 (2004) 127
- Alphandéry, E., L.M. Walsh, Y. Rakovich, A.L. Bradley, J.F. Donegan and N. Gaponik, Highly efficient Förster resonance energy transfer between CdTe nanocrystals and Rhodamine B in mixed solid films 388 (2004) 100
- Álvarez Ruiz, J., P. Erman, A. Kivimäki, E. Melero Garcia, E. Rachlew and M. Stankiewicz, Selective excitation of the $n p \sigma^1\Sigma_u^+$ and $n p \pi^1\Pi_u$ to $E, F^1\Sigma_g^+$ emission systems in molecular hydrogen using synchrotron radiation 388 (2004) 31
- Anton, J., T. Ishii and B. Fricke, An ab initio study of the magnetic ground states of organic molecules of di-resp. tetramethyl types as examples with a non-collinear density functional method 388 (2004) 248
- Arai, I., see Negishi, A. 388 (2004) 463
- Argüello, G., see Nishida, S. 388 (2004) 242
- Armunanto, R., C.F. Schwenk, B.R. Randolph and B.M. Rode, Ag(I) ion in liquid ammonia 388 (2004) 395
- Aroca, R.F., see Ross, D.J. 388 (2004) 430
- Awaga, K., see Fujita, W. 388 (2004) 186
- Bai, Y.-J., X. Feng, B. Lü, C.-G. Wang, Y.-X. Qi, Y.-X. Liu, B. Zhu and Y.-X. Wang, Novel synthesis of nanocrystalline TiC hollow polyhedrons 388 (2004) 58
- Bakó, I., Pálinskás, G., J.C. Dore, H. Fischer and P. Jóvári, Wide and low angle neutron scattering of water-pyridine mixtures 388 (2004) 468
- Ball, J.C., see Nishida, S. 388 (2004) 242
- Bao, X., see Wang, Y. 388 (2004) 363
- Barone, V., G. Festa, A. Grandi, N. Rega and N. Sanna, Accurate vibrational spectra of large molecules by density functional computations beyond the harmonic approximation: the case of uracil and 2-thiouracil 388 (2004) 279
- Basu, S., see Chatterjee, S. 388 (2004) 79
- Bauschlicher Jr., C.W., J.W. Lawson, A. Ricca, Y. Xue and M.A. Ratner, Current-voltage curves for molecular junctions: the effect of Cl substituents and basis set composition 388 (2004) 427
- Bazan, G.C., see Bussian, D.A. 388 (2004) 181
- Beniya, A., see Yamamoto, S. 388 (2004) 384
- Bhattacharyya, S.P., see Ghosh, M. 388 (2004) 337
- Bil, A. and Z. Latajka, The hydroperoxy radical and its closed-shell 'analogues': ab initio investigations 388 (2004) 158
- Blanco, M.A., see Perger, W.F. 388 (2004) 175
- Boldyrev, A.I., see Kuznetsov, A.E. 388 (2004) 452
- Bonn, M., C. Hess, W.G. Roeterdink, H. Ueba and M. Wolf, Dephasing of vibrationally excited molecules at surfaces: CO/Ru(001) 388 (2004) 269
- Bradley, A.L., see Alphandéry, E. 388 (2004) 100
- Brocke, S., see Seixas de Melo, J. 388 (2004) 236
- Bryce, R.A., see Muslim, A.-M. 388 (2004) 473

- Buratto, S.K., see Bussian, D.A. 388 (2004) 181
- Burrows, H.D., see Seixas de Melo, J. 388 (2004) 236
- Bussian, D.A., M.A. Summers, B. Liu, G.C. Bazan and S.K. Buratto, Photon pair correlation spectroscopy of single tetrahedral oligophenylenevinylene molecules at room temperature 388 (2004) 181
- Cai, M.-Q., Z. Yin and M.-S. Zhang, Optical properties of strontium titanate by ab initio calculation within density functional theory 388 (2004) 223
- Chakrabarty, M., see Chatterjee, S. 388 (2004) 79
- Chakraborty, A., see Hazra, P. 388 (2004) 150
- Chakrabarty, D., see Hazra, P. 388 (2004) 150
- Chang, H.-C., see Wu, C.-C. 388 (2004) 457
- Chatterjee, S., S. Basu, N. Ghosh and M. Chakrabarty, Unique behavior of DMF as solvent in fluorescence quenching process 388 (2004) 79
- Chaudhuri, C., see Wu, C.-C. 388 (2004) 457
- Chen, Y., see Tian, Y. 388 (2004) 259
- Chen, M., see Xu, X. 388 (2004) 190
- Chen, X., B.D. Patterson and T.B. Settersten, Time-domain investigation of OH ground-state energy transfer using picosecond two-color polarization spectroscopy 388 (2004) 358
- Chen, X.L., see Zhao, M. 388 (2004) 7
- Chen, X., see Tian, Y. 388 (2004) 259
- Chiappero, M., see Nishida, S. 388 (2004) 242
- Chung, H.J., see Xie, X.N. 388 (2004) 446
- Churagulov, B.R., see Kolen'ko, Yu.V. 388 (2004) 411
- Clay, C., S. Haq and A. Hodgson, Intact and dissociative adsorption of water on Ru(0 0 0 1) 388 (2004) 89
- Clima, S., see Hendrickx, M.F.A. 388 (2004) 284
- Clima, S., see Hendrickx, M.F.A. 388 (2004) 290
- Cottone, G., R. Noto and G. La Manna, Theoretical study of spiropyran–merocyanine thermal isomerization 388 (2004) 218
- de Andrés, J., M. Sabidó, J.M. Lucas, J. Sogas and A. Aguilar, Erratum to: ‘Electron capture processes in collisions between Mg (3^1S_0) atoms and Na $^+$ (1S_0) ions in the 0.10–4.00 keV energy range’ [Chem. Phys. Lett. 382 (2003) 106] 388 (2004) 230
- Demchenko, A.P., see Yesylevskyy, S.O. 388 (2004) 348
- Demchuk, A., see Lynch, M. 388 (2004) 12
- Donegan, J.F., see Alphandéry, E. 388 (2004) 100
- Dore, J.C., see Bakó, I. 388 (2004) 468
- Dvinskikh, S.V., see Tošner, Z. 388 (2004) 208
- Erman, P., see Álvarez Ruiz, J. 388 (2004) 31
- Espinosa-García, J., Theoretical enthalpies of formation and O–H bond dissociation enthalpy of an α -tocopherol model and its free radical 388 (2004) 274
- Fan, L., see Yang, S. 388 (2004) 253
- Feng, X., see Bai, Y.-J. 388 (2004) 58
- Festa, G., see Barone, V. 388 (2004) 279
- Fischer, H., see Bakó, I. 388 (2004) 468
- Fricke, B., see Anton, J. 388 (2004) 248
- Fujita, W. and K. Awaga, Crystal structure and magnetic properties of a thiazyl organic ferromagnet, BBDTA·GaCl₄ with $T_c = 7.0$ K 388 (2004) 186
- Fukasawa, R., see Nagai, N. 388 (2004) 479
- Gahungu, G., B. Zhang and J. Zhang, Theoretical study of tris(*o*-phenylenedioxy) cyclotrisphosphazene (TPP) electronic structure with ab initio and DFT methods 388 (2004) 422
- Gangopadhyay, P., P. Magudapathy, R. Kesavamoorthy, B.K. Panigrahi, K.G.M. Nair and P.V. Satyam, Growth of silver nanoclusters embedded in soda glass matrix 388 (2004) 416
- Gaponik, N., see Alphandéry, E. 388 (2004) 100

- Garshev, A.V., see Kolen'ko, Yu.V. 388 (2004) 411
- Ghosh, M., R.K. Hazra and S.P. Bhattacharyya, A linear variational route to the polarizability of 2-D artificial atoms: effects of anharmonicity in the confinement potential 388 (2004) 337
- Ghosh, N., see Chatterjee, S. 388 (2004) 79
- Gomes, J.R.B., F. Illas and B. Silvi, Topological analysis of the metal-support interaction: the case of Pd atoms on oxide surfaces 388 (2004) 132
- Grandi, A., see Barone, V. 388 (2004) 279
- Gu, H., X. Su and K.P. Loh, Conductive polymer-modified boron-doped diamond for DNA hybridization analysis 388 (2004) 483
- Halls, M.D., see Ross, D.J. 388 (2004) 430
- Han, J.H., see Yoon, B.-J. 388 (2004) 170
- Haq, S., see Clay, C. 388 (2004) 89
- Haruyama, Y., see Takabayashi, Y. 388 (2004) 23
- Hasegawa, H., see Hishikawa, A. 388 (2004) 1
- Hashimoto, K., see Tokoro, H. 388 (2004) 379
- Hazra, R.K., see Ghosh, M. 388 (2004) 337
- Hazra, P., D. Chakraborty, A. Chakraborty and N. Sarkar, Intramolecular charge transfer and solvation dynamics of Nile Red in the nanocavity of cyclodextrins 388 (2004) 150
- He, J., see Ma, G. 388 (2004) 105
- Helgaker, T., see Pecul, M. 388 (2004) 110
- Hendrickx, M.F.A. and S. Clima, Adiabatic electron affinities of ScC₂ and ScC₃ evaluated by a multiconfigurational approach 388 (2004) 284
- Hendrickx, M.F.A. and S. Clima, An ab initio study of the equilibrium structure and bonding of FeC₂ and FeC₃ clusters and their anions 388 (2004) 290
- Herzog, O., see Seixas de Melo, J. 388 (2004) 236
- Hess, C., see Bonn, M. 388 (2004) 269
- Hessman, D., see Rønne, C. 388 (2004) 40
- Hirao, K., see Abe, M. 388 (2004) 68
- Hishikawa, A., H. Hasegawa and K. Yamanouchi, Nuclear dynamics on the light-dressed potential energy surface of CS₂ by coincidence momentum imaging 388 (2004) 1
- Hiura, H., see Negishi, A. 388 (2004) 463
- Hodgson, A., see Clay, C. 388 (2004) 89
- Hoffmann, A., D. Sebastiani, E. Sugiono, S. Yun, K.S. Kim, H.W. Spiess and I. Schnell, Solvent molecules trapped in supramolecular organic nanotubes: a combined solid-state NMR and DFT study 388 (2004) 164
- Hosokawa, T., see Takabayashi, Y. 388 (2004) 23
- Hossain, M.Z., Y. Yamashita, K. Mukai and J. Yoshinobu, Selective functionalization of the Si(100) surface by switching the adsorption linkage of a bifunctional organic molecule 388 (2004) 27
- Hozumi, T., see Tokoro, H. 388 (2004) 379
- Hu, Z., see Tian, Y. 388 (2004) 259
- Huang, C.H., see Xin, H. 388 (2004) 55
- Hurley, M.D., see Nishida, S. 388 (2004) 242
- Illas, F., see Gomes, J.R.B. 388 (2004) 132
- Ishii, T., see Anton, J. 388 (2004) 248
- Jeong, S.-H., see Yoon, B.-J. 388 (2004) 170
- Ji, W., see Tian, Y. 388 (2004) 259
- Jiang, B., see Liu, J. 388 (2004) 306
- Jiang, J.C., see Wu, C.-C. 388 (2004) 457
- Jiang, M., see Tian, Y. 388 (2004) 325
- Jin, L.P., see Xin, H. 388 (2004) 55
- Jóvári, P., see Bakó, I. 388 (2004) 468
- Kanayama, T., see Negishi, A. 388 (2004) 463
- Kariya, N., see Negishi, A. 388 (2004) 463

- Kesavamoorthy, R., see Gangopadhyay, P. 388 (2004) 416
- Khan, A., Theoretical studies of $\text{Na}(\text{H}_2\text{O})_{19-21}^+$ and $\text{K}(\text{H}_2\text{O})_{19-21}^+$ clusters: explaining the absence of magic peak for $\text{Na}(\text{H}_2\text{O})_{20}^+$ 388 (2004) 342
- Khmelinskii, I.V., see Makarov, V.I. 388 (2004) 297
- Khriachtchev, L., see Lundell, J. 388 (2004) 228
- Kim, S.H., see Yoon, B.-J. 388 (2004) 170
- Kim, K.S., see Hoffmann, A. 388 (2004) 164
- Kim, J., see Lu, W. 388 (2004) 120
- Kito, Y., see Kumazaki, T. 388 (2004) 18
- Kivimäki, A., see Álvarez Ruiz, J. 388 (2004) 31
- Kobayashi, K., see Slanina, Z. 388 (2004) 74
- Kobayashi, M., see Nakai, H. 388 (2004) 50
- Koide, Y., see Vacha, M. 388 (2004) 263
- Kolen'ko, Yu.V., V.D. Maximov, A.V. Garshev, P.E. Meskin, N.N. Oleynikov and B.R. Churagulov, Hydrothermal synthesis of nanocrystalline and mesoporous titania from aqueous complex titanyl oxalate acid solutions 388 (2004) 411
- Kollár, L., see Kunsági-Máté, S. 388 (2004) 84
- Kondow, T., see Tono, K. 388 (2004) 374
- Kong, X., X. Luo, D. Niu and H. Li, Cluster assisted generation of C^{2+} and C^{3+} ions in nanosecond laser ionization of seeded benzene beam 388 (2004) 139
- Koplitz, B., see Lynch, M. 388 (2004) 12
- Kotani, M., see Vacha, M. 388 (2004) 263
- Kowalewski, J., see Tošner, Z. 388 (2004) 208
- Kubarev, S.I., see Ponomarev, O.A. 388 (2004) 231
- Kubareva, I.S., see Ponomarev, O.A. 388 (2004) 231
- Kubozeno, Y., see Takabayashi, Y. 388 (2004) 23
- Kumazaki, T., Y. Kito, S. Sasaki, T. Kume and H. Shimizu, Single-crystal growth of the high-pressure phase II of methane hydrate and its Raman scattering study 388 (2004) 18
- Kume, T., see Kumazaki, T. 388 (2004) 18
- Kummer, A. and R. Ocne, On the generalisation of the metabolic thermodynamic theory of the cell cycle 388 (2004) 322
- Kunsági-Máté, S., E. Végh, G. Nagy and L. Kollár, Quantum chemical investigations on the dynamics of hydrogen halide elimination from vinyl-halides: influence of the molecular environment 388 (2004) 84
- Kuznetsov, A.E. and A.I. Boldyrev, A single π -bond captures 3, 4 and 5 atoms 388 (2004) 452
- La Manna, G., see Cottone, G. 388 (2004) 218
- Latajka, Z., see Bil, A. 388 (2004) 158
- Lawson, J.W., see Bauschlicher Jr., C.W. 388 (2004) 427
- Lee, K.-H., see Yoon, B.-J. 388 (2004) 170
- Li, J., see Wu, K. 388 (2004) 353
- Li, H., see Liang, J. 388 (2004) 212
- Li, H., see Kong, X. 388 (2004) 139
- Li, H.Q., see Zhao, M. 388 (2004) 7
- Li, H., see Su, Y.-K. 388 (2004) 406
- Li, H.-L., see Su, Y.-K. 388 (2004) 406
- Li, H., see Zhao, M. 388 (2004) 7
- Liang, J., K. Pei and H. Li, The geometry of the NO_2^- anion: ab initio calculations and Franck-Condon analysis 388 (2004) 212
- Liang, D., see Wang, Y. 388 (2004) 363
- Liao, B. and T. Wang, Analysis of similarity/dissimilarity of DNA sequences based on 3-D graphical representation 388 (2004) 195
- Lin, C., see Wu, K. 388 (2004) 353
- Lippert, H., see Stert, V. 388 (2004) 144
- Liu, J., M. Sun, B. Jiang and G. Sha, Quantum interference in collision-induced energy transfer for $\text{CO} (\text{A}^1\Pi, v = 0/\text{e}^3\Sigma^-, v = 1)-\text{HCl} (\text{X}^1\Sigma)$ system studied by OODR-MPI spectroscopy 388 (2004) 306

- Liu, Y.-X., see Bai, Y.-J. 388 (2004) 58
 Liu, B., see Bussian, D.A. 388 (2004) 181
 Liu, X., see Wang, Y. 388 (2004) 363
 Loh, K.P., see Gu, H. 388 (2004) 483
 Lu, W., J. Kim, W. Qiu and D. Zhong, Femtosecond studies of tryptophan solvation: correlation function and water dynamics at lipid surfaces 388 (2004) 120
 Lu, X., see Xu, X. 388 (2004) 190
 Lü, S., see Zhao, D. 388 (2004) 400
 Lü, B., see Bai, Y.-J. 388 (2004) 58
 Lucas, J.M., see de Andrés, J. 388 (2004) 230
 Lundell, J., L. Khriachtchev, M. Pettersson and M. Räsänen, Comment on ‘A computational study of the novel metastable compound HKrSH’ [S.A.C. McDowell, Chem. Phys. Lett. 372 (2003) 553–556] 388 (2004) 228
 Luo, X., see Kong, X. 388 (2004) 139
 Lynch, M., A. Demchuk, S. Simpson and B. Koplitz, On the reactivity of trimethylgallium with H₂O, CH₃OH, CH₃OCH₃, and NH₃ in a multiple pulsed nozzle environment 388 (2004) 12
 Ma, D., see Wang, Y. 388 (2004) 363
 Ma, Y., I. Rzeznicka and T. Matsushima, Nitrogen removal pathways in a steady-state NO + CO reaction on Pd(1 1 0) 388 (2004) 201
 Ma, G., J. He and S.H. Tang, Mechanisms of excited-state enhancement of optical non-linearity in poly(distyrybenzene-co-triethylene glycol) 388 (2004) 105
 Magudapathy, P., see Gangopadhyay, P. 388 (2004) 416
 Makarov, V.I. and I.V. Khmelinskii, Optical-IR double resonance effect for single rotational lines of the 0₀⁰ vibrational transition in H₂CS 388 (2004) 297
 Makowski, M. and M.T. Pawlikowski, The Franck–Condon and Dushinsky effects in the lowest energy 1²B_{3u} doublet of the tetracyanoquinodimethane (TCNQ) monoanion: the absorption and resonance Raman studies in terms of the density functional theory (DFT) and complete active space self-consistent field (CASSCF) methods 388 (2004) 367
 Manno, D., see Terranova, M.L. 388 (2004) 36
 Matsuda, T., see Tokoro, H. 388 (2004) 379
 Matsumi, Y., see Nishida, S. 388 (2004) 242
 Matsushima, T., see Ma, Y. 388 (2004) 201
 Maximov, V.D., see Kolen'ko, Yu.V. 388 (2004) 411
 McPherson, D.T., see Rodríguez-Cabello, J.C. 388 (2004) 127
 Melero Garcia, E., see Álvarez Ruiz, J. 388 (2004) 31
 Meskin, P.E., see Kolen'ko, Yu.V. 388 (2004) 411
 Micocci, G., see Terranova, M.L. 388 (2004) 36
 Moazzen-Ahmadi, N., see Abusara, Z. 388 (2004) 62
 Mukai, K., see Hossain, M.Z. 388 (2004) 27
 Mukai, K., see Yamamoto, S. 388 (2004) 384
 Muslim, A.-M. and R.A. Bryce, Carbohydrate conformation in aqueous solution: calculation of a QM/MM potential of mean force 388 (2004) 473
 Nagai, N. and R. Fukasawa, Abnormal dispersion of polymer films in the THz frequency region 388 (2004) 479
 Nagaoka, M., see Yu, I. 388 (2004) 316
 Nagase, S., see Slanina, Z. 388 (2004) 74
 Nagy, G., see Kunsági-Máté, S. 388 (2004) 84
 Nair, K.G.M., see Gangopadhyay, P. 388 (2004) 416
 Nakai, H. and M. Kobayashi, New algorithm for the rapid evaluation of electron repulsion integrals: elementary basis algorithm 388 (2004) 50
 Nakajima, T., see Abe, M. 388 (2004) 68
 Nakashima, T.T., see Siegel, R. 388 (2004) 441
 Nazri, A.G., see Ross, D.J. 388 (2004) 430
 Negishi, A., N. Kariya, K. Sugawara, I. Arai, H. Hiura and T. Kanayama, Size-selective formation of tungsten cluster-containing silicon cages by the reactions of W_n⁺ (n = 1–5) with SiH₄ 388 (2004) 463

- Nguyen, H.M.T., S. Zhang, J. Peeters, T.N. Truong and M.T. Nguyen, Direct ab initio dynamics studies of the reactions of HNO with H and OH radicals 388 (2004) 94
- Nguyen, M.T., see Nguyen, H.M.T. 388 (2004) 94
- Nishida, S., K. Takahashi, Y. Matsumi, M. Chiappero, G. Argüello, T.J. Wallington, M.D. Hurley and J.C. Ball, CF₃ONO₂ yield in the gas phase reaction of CF₃O₂ radicals with NO 388 (2004) 242
- Niu, D., see Kong, X. 388 (2004) 139
- Nobusada, K., see Tanaka, K. 388 (2004) 389
- Noto, R., see Cottone, G. 388 (2004) 218
- Ocone, R., see Kummer, A. 388 (2004) 322
- Ohkoshi, S., see Tokoro, H. 388 (2004) 379
- Ohta, T., see Tono, K. 388 (2004) 374
- Oleynikov, N.N., see Kolen'ko, Yu.V. 388 (2004) 411
- Orlanducci, S., see Terranova, M.L. 388 (2004) 36
- Pálinkás, G., see Bakó, I. 388 (2004) 468
- Pandey, R., see Perger, W.F. 388 (2004) 175
- Panigrahi, B.K., see Gangopadhyay, P. 388 (2004) 416
- Park, C.G., see Yoon, B.-J. 388 (2004) 170
- Parker, T.M., see Rodríguez-Cabello, J.C. 388 (2004) 127
- Patterson, B.D., see Chen, X. 388 (2004) 358
- Pawlowski, M.T., see Makowski, M. 388 (2004) 367
- Pecul, M., K. Ruud and T. Helgaker, Density functional theory calculation of electronic circular dichroism using London orbitals 388 (2004) 110
- Peeters, J., see Nguyen, H.M.T. 388 (2004) 94
- Pei, K., see Liang, J. 388 (2004) 212
- Perger, W.F., R. Pandey, M.A. Blanco and J. Zhao, First-principles intermolecular binding energies in organic molecular crystals 388 (2004) 175
- Petrov, O., see Tošner, Z. 388 (2004) 208
- Pettersson, M., see Lundell, J. 388 (2004) 228
- Pina, J., see Seixas de Melo, J. 388 (2004) 236
- Ponomarev, O.A., S.I. Kubarev, I.S. Kubareva, I.P. Susak and A.S. Shigaev, The recombination of the geminate radical pairs in parallel combined magnetic fields 388 (2004) 231
- Qi, Y.-X., see Bai, Y.-J. 388 (2004) 58
- Qin, G., see Zhao, D. 388 (2004) 400
- Qin, D.-H., see Su, Y.-K. 388 (2004) 406
- Qin, W., see Zhao, D. 388 (2004) 400
- Qiu, W., see Lu, W. 388 (2004) 120
- Rachlew, E., see Álvarez Ruiz, J. 388 (2004) 31
- Radloff, W., see Stert, V. 388 (2004) 144
- Rakovitch, Y., see Alphandéry, E. 388 (2004) 100
- Randolf, B.R., see Armunanto, R. 388 (2004) 395
- Räsänen, M., see Lundell, J. 388 (2004) 228
- Ratner, M.A., see Bauschlicher Jr., C.W. 388 (2004) 427
- Rega, N., see Barone, V. 388 (2004) 279
- Reguera, J., see Rodríguez-Cabello, J.C. 388 (2004) 127
- Ren, Y., see Tian, Y. 388 (2004) 325
- Ren, T.-Z., Z.-Y. Yuan and B.-L. Su, Hierarchical microtubular nanoporous zirconia with an extremely high surface area and pore volume 388 (2004) 46
- Ricca, A., see Bauschlicher Jr., C.W. 388 (2004) 427
- Rikiishi, Y., see Takabayashi, Y. 388 (2004) 23
- Ritze, H.-H., see Stert, V. 388 (2004) 144

- Rode, B.M., see Armunanto, R. 388 (2004) 395
- Rodríguez-Cabello, J.C., J. Reguera, M. Alonso, T.M. Parker, D.T. McPherson and D.W. Urry, Endothermic and exothermic components of an inverse temperature transition for hydrophobic association by TMDSC 388 (2004) 127
- Roeterdink, W.G., see Bonn, M. 388 (2004) 269
- Rønne, C., J. Trägårdh, D. Hessman and V. Sundström, Temperature effect on single chain MEH-PPV spectra 388 (2004) 40
- Ross, D.J., M.D. Halls, A.G. Nazri and R.F. Aroca, Raman scattering of complex sodium aluminum hydride for hydrogen storage 388 (2004) 430
- Rossi, M., see Terranova, M.L. 388 (2004) 36
- Ruud, K., see Pecul, M. 388 (2004) 110
- Rzeznicka, I., see Ma, Y. 388 (2004) 201
- Sabidó, M., see de Andrés, J. 388 (2004) 230
- Sandström, D., see Tošner, Z. 388 (2004) 208
- Sanna, N., see Barone, V. 388 (2004) 279
- Sarkar, N., see Hazra, P. 388 (2004) 150
- Sasaki, S., see Kumazaki, T. 388 (2004) 18
- Sato, H., see Vacha, M. 388 (2004) 263
- Satyam, P.V., see Gangopadhyay, P. 388 (2004) 416
- Schnell, I., see Hoffmann, A. 388 (2004) 164
- Schwenk, C.F., see Armunanto, R. 388 (2004) 395
- Sebastiani, D., see Hoffmann, A. 388 (2004) 164
- Seixas de Melo, J., J. Pina, H.D. Burrows, S. Brocke, O. Herzog and E. Thorn-Csányi, The effect of substitution and isomeric imperfection on the photophysical behaviour of *p*-phenylenevinylene trimers 388 (2004) 236
- Sessa, V., see Terranova, M.L. 388 (2004) 36
- Settersten, T.B., see Chen, X. 388 (2004) 358
- Sha, G., see Liu, J. 388 (2004) 306
- Shibata, K., see Takabayashi, Y. 388 (2004) 23
- Shigaev, A.S., see Ponomarev, O.A. 388 (2004) 231
- Shimizu, H., see Kumazaki, T. 388 (2004) 18
- Siegel, R., T.T. Nakashima and R.E. Wasylishen, Signal enhancement of NMR spectra of half-integer quadrupolar nuclei in solids using hyperbolic secant pulses 388 (2004) 441
- Silvi, B., see Gomes, J.R.B. 388 (2004) 132
- Simpson, S., see Lynch, M. 388 (2004) 12
- Slanina, Z., K. Kobayashi and S. Nagase, Computed temperature development of the relative stabilities of La@C₈₂ isomers 388 (2004) 74
- Sogas, J., see de Andrés, J. 388 (2004) 230
- Sorensen, T.S., see Abusara, Z. 388 (2004) 62
- Sow, C.H., see Xie, X.N. 388 (2004) 446
- Spiess, H.W., see Hoffmann, A. 388 (2004) 164
- Stankiewicz, M., see Álvarez Ruiz, J. 388 (2004) 31
- Stert, V., H. Lippert, H.-H. Ritze and W. Radloff, Femtosecond time-resolved dynamics of the electronically excited ethylene molecule 388 (2004) 144
- Su, Y.-K., Qin, D.-H., H.-L. Zhang, H. Li and H.-L. Li, Microstructure and magnetic properties of bamboo-like CoPt/Pt multilayered nanowire arrays 388 (2004) 406
- Su, X., see Gu, H. 388 (2004) 483
- Su, B.-L., see Ren, T.-Z. 388 (2004) 46
- Sugawara, K., see Negishi, A. 388 (2004) 463
- Sugiono, E., see Hoffmann, A. 388 (2004) 164
- Summers, M.A., see Bussian, D.A. 388 (2004) 181
- Sun, M., see Xin, H. 388 (2004) 55
- Sun, M., see Liu, J. 388 (2004) 306
- Sundström, V., see Rønne, C. 388 (2004) 40
- Susak, I.P., see Ponomarev, O.A. 388 (2004) 231

- Takabayashi, Y., Y. Haruyama, Y. Rikiishi, T. Hosokawa, K. Shibata and Y. Kubozono, Preferred location of the Dy ion in the minor isomer of Dy@C₈₂ determined by Dy L_{III}-edge EXAFS 388 (2004) 23
- Takahashi, K., see Nishida, S. 388 (2004) 242
- Tanaka, K. and K. Nobusada, Theoretical study of bending and symmetric stretching vibrational levels of the lowest five quintet and two triplet states of FeH₂ 388 (2004) 389
- Tanaka, K., see Xu, X. 388 (2004) 190
- Tang, S.H., see Ma, G. 388 (2004) 105
- Tanner, P.A., Fluorescence and phosphorescence of Cr³⁺ in cubic hosts 388 (2004) 488
- Tao, X., see Tian, Y. 388 (2004) 325
- Terasaki, A., see Tono, K. 388 (2004) 374
- Terranova, M.L., V. Sessa, S. Orlanducci, M. Rossi, D. Manno and G. Micocci, Organized networks of helically wound single-walled C-nanotubes 388 (2004) 36
- Thorn-Csányi, E., see Seixas de Melo, J. 388 (2004) 236
- Tian, Y., M. Zhang, X. Yu, G. Xu, Y. Ren, J. Yang, J. Wu, X. Zhang, X. Tao, S. Zhang and M. Jiang, Two novel two-photon polymerization initiators with extensive application prospects 388 (2004) 325
- Tian, Y., Z. Hu, Y. Yang, X. Chen, W. Ji and Y. Chen, Thermal analysis–mass spectroscopy coupling as a powerful technique to study the growth of carbon nanotubes from benzene 388 (2004) 259
- Ting, J.-M., see Wu, W.-Y. 388 (2004) 312
- Tošner, Z., O. Petrov, S.V. Dvinskikh, J. Kowalewski and D. Sandström, A ¹³C solid-state NMR study of cryptophane-E:chloromethane inclusion complexes 388 (2004) 208
- Tokoro, H., S. Ohkoshi, T. Matsuda, T. Hozumi and K. Hashimoto, Magnetic specific heat of the low-temperature phase of rubidium manganese hexacyanoferate 388 (2004) 379
- Tono, K., A. Terasaki, T. Ohta and T. Kondow, Electronic structure of Mn₂O[−]: ferromagnetic spin coupling stabilized by oxidation 388 (2004) 374
- Trägårdh, J., see Rønne, C. 388 (2004) 40
- Truong, T.N., see Nguyen, H.M.T. 388 (2004) 94
- Ueba, H., see Bonn, M. 388 (2004) 269
- Urry, D.W., see Rodríguez-Cabello, J.C. 388 (2004) 127
- Vacha, M., Y. Koide, M. Kotani and H. Sato, Single molecule detection and photobleaching study of a phosphorescent dye: organometallic iridium(III) complex 388 (2004) 263
- Végh, E., see Kunsági-Máté, S. 388 (2004) 84
- Wakabayashi, T., see Yamaguchi, Y. 388 (2004) 436
- Wallington, T.J., see Nishida, S. 388 (2004) 242
- Walsh, L.M., see Alphandéry, E. 388 (2004) 100
- Wang, T., see Liao, B. 388 (2004) 195
- Wang, Y.-X., see Bai, Y.-J. 388 (2004) 58
- Wang, Y.-S., see Wu, C.-C. 388 (2004) 457
- Wang, K.Z., see Xin, H. 388 (2004) 55
- Wang, Y., D. Zhou, G. Yang, X. Liu, D. Ma, D. Liang and X. Bao, Density functional theory study of proton hopping in MCM-22 zeolite 388 (2004) 363
- Wang, C., see Xu, X. 388 (2004) 190
- Wang, C.-G., see Bai, Y.-J. 388 (2004) 58
- Wasylisen, R.E., see Siegel, R. 388 (2004) 441
- Wee, A.T.S., see Xie, X.N. 388 (2004) 446
- Wolf, M., see Bonn, M. 388 (2004) 269
- Wu, C.-C., Y.-S. Wang, C. Chaudhuri, J.C. Jiang and H.-C. Chang, Microsolvation of the lithium ion by methanol in the gas phase 388 (2004) 457
- Wu, J., see Tian, Y. 388 (2004) 325
- Wu, W.-Y. and J.-M. Ting, Self-assembled alternating nano-scaled layers of carbon and metal 388 (2004) 312
- Wu, K., J. Li and C. Lin, Remarkable second-order optical nonlinearity of nano-sized Au₂₀ cluster: a TDDFT study 388 (2004) 353

- Wu, L., see Zhao, M. 388 (2004) 7
 Wu, C., see Zhao, D. 388 (2004) 400
- Xie, Z., see Xu, X. 388 (2004) 190
- Xie, X.N., H.J. Chung, C.H. Sow and A.T.S. Wee, Oxide growth and its dielectrical properties on alkylsilated native-SiO₂/Si surface 388 (2004) 446
- Xin, H., M. Sun, K.Z. Wang, Y.A. Zhang, L.P. Jin and C.H. Huang, Voltage-independent pure red devices based on a carbazole-functionalized europium complex 388 (2004) 55
- Xiong, G., see Xu, Y. 388 (2004) 330
- Xu, X., C. Wang, Z. Xie, X. Lu, M. Chen and K. Tanaka, Adsorbate lone-pair-electron stimulated charge transfer between surface dangling bonds: methanol chemisorption on Si(111)-7 × 7 388 (2004) 190
- Xu, Y. and G. Xiong, Third-order optical nonlinearity of semiconductor carbon nanotubes for third harmonic generation 388 (2004) 330
- Xu, G., see Tian, Y. 388 (2004) 325
- Xue, Y., see Bauschlicher Jr., C.W. 388 (2004) 427
- Yamaguchi, Y. and T. Wakabayashi, Coagulation of linear carbon molecules into nanoparticles: a molecular dynamics study 388 (2004) 436
- Yamamoto, S., A. Beniya, K. Mukai, Y. Yamashita and J. Yoshinobu, Low-energy electron-stimulated chemical reactions of CO in water ice 388 (2004) 384
- Yamanouchi, K., see Hishikawa, A. 388 (2004) 1
- Yamashita, Y., see Yamamoto, S. 388 (2004) 384
- Yamashita, Y., see Hossain, M.Z. 388 (2004) 27
- Yanai, T., see Abe, M. 388 (2004) 68
- Yang, J., see Tian, Y. 388 (2004) 325
- Yang, G., see Wang, Y. 388 (2004) 363
- Yang, S., Significantly enhanced photocurrent efficiency of a poly(3-hexylthiophene) photoelectrochemical device by doping with the endohedral metallofullerene Dy@C₈₂ 388 (2004) 253
- Yang, Y., see Tian, Y. 388 (2004) 259
- Yang, S., L. Fan and S. Yang, Significantly enhanced photocurrent efficiency of a poly(3-hexylthiophene) photoelectrochemical device by doping with the endohedral metallofullerene Dy@C₈₂ 388 (2004) 253
- Yesylevskyy, S.O. and A.P. Demchenko, Designability of lattice small-size protein models: is it sufficient to use the compact ground states? 388 (2004) 348
- Yin, Z., see Cai, M.-Q. 388 (2004) 223
- Yoon, B.-J., S.-H. Jeong, K.-H. Lee, H.S. Kim, C.G. Park and J.H. Han, Electrical properties of electrical double layer capacitors with integrated carbon nanotube electrodes 388 (2004) 170
- Yoshinobu, J., see Hossain, M.Z. 388 (2004) 27
- Yoshinobu, J., see Yamamoto, S. 388 (2004) 384
- Yu, I. and M. Nagaoka, Slowdown of water diffusion around protein in aqueous solution with ectoine 388 (2004) 316
- Yu, X., see Tian, Y. 388 (2004) 325
- Yuan, Z.-Y., see Ren, T.-Z. 388 (2004) 46
- Yun, S., see Hoffmann, A. 388 (2004) 164
- Zhang, S., see Tian, Y. 388 (2004) 325
- Zhang, S., see Nguyen, H.M.T. 388 (2004) 94
- Zhang, H.-L., see Su, Y.-K. 388 (2004) 406
- Zhang, X.N., see Zhao, M. 388 (2004) 7
- Zhang, B., see Gahungu, G. 388 (2004) 422
- Zhang, M., see Tian, Y. 388 (2004) 325
- Zhang, J., see Gahungu, G. 388 (2004) 422
- Zhang, X., see Tian, Y. 388 (2004) 325
- Zhang, M.-S., see Cai, M.-Q. 388 (2004) 223
- Zhang, J., see Zhao, D. 388 (2004) 400
- Zhang, Y.A., see Xin, H. 388 (2004) 55

- Zhao, D., W. Qin, C. Wu, G. Qin, J. Zhang and S. Lü, Laser selective spectroscopy of europium complex embedded in colloidal silica spheres 388 (2004) 400
- Zhao, M., X.L. Chen, X.N. Zhang, H. Li, H.Q. Li and L. Wu, Preparation and characterization of networked rectangular MgO nanostructures 388 (2004) 7
- Zhao, J., see Perger, W.F. 388 (2004) 175
- Zhong, D., see Lu, W. 388 (2004) 120
- Zhou, D., see Wang, Y. 388 (2004) 363
- Zhu, B., see Bai, Y.-J. 388 (2004) 58

